

When using midpoint formula, then use even numbers.

Example

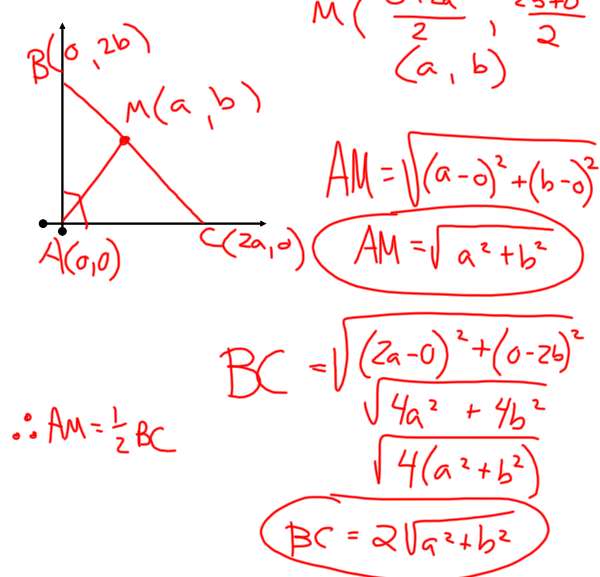
Prove that the measure of the segment that joins the vertex of a right

\angle in a right Δ to

midpoint of the hypotenuse = $\frac{1}{2}$ the measure of the hypotenuse

Given: Right ΔABC with hypotenuse BC . (M is the midpoint of BC .)

Prove: $AM = \frac{1}{2} BC$



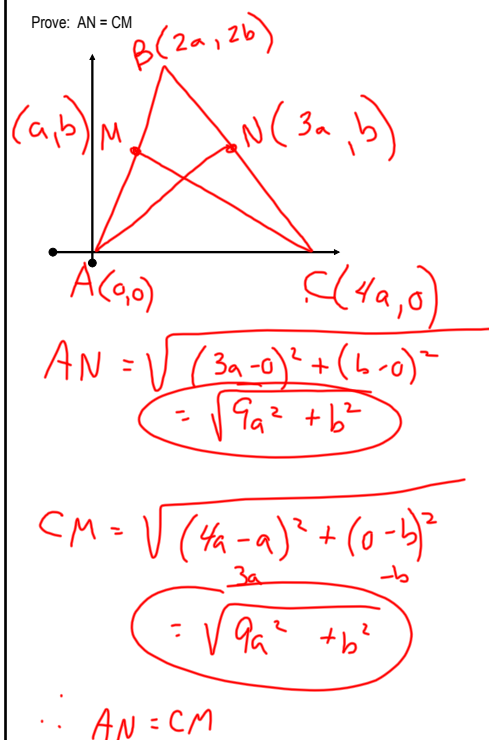
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25. The segments joining the vertices to the midpoints of the legs of an isosceles triangle are congruent.

Given: Isosceles triangle ABC .

(legs \overline{AB} with midpoint M , and \overline{CB} with midpoint N)

Prove: $AN = CM$



#26

Use same
coord. #25

#27

#28

Not isosceles
Refer ex 3
Notes